

What is claimed is:

1. A pushback rack storage system, comprising:

a pair of spaced apart support rails each having a front end and a back end;

a first cart including a first pair of spaced apart side rails, each side rail including a first wheel adjacent to a front end of the side rail, and a second wheel located between a back end and a midpoint of the side rail;

wherein the second wheels are rollable along the support rails up to a back end of the support rails, such that the back ends of the side rails extend beyond the back ends of the support rails when the second wheels are adjacent to back ends of the support rails.
2. The pushback rack storage system of claim 1 further comprising a second cart having a second pair of spaced apart side rails each including a pair of wheels rollable along the support rails.
3. The pushback rack storage system of claim 2 wherein each of the second pair of side rails includes a wheel guide.
4. The pushback rack storage system of claim 3 wherein the first wheels on the first cart are rollable along the wheel guides of the second pair of side rails on the second cart.

5. The pushback rack storage system of claim 1 wherein the first wheels on the first cart are rollable along the support rails up to a front end of the support rails.

6. The pushback rack storage system of claim 1 wherein each of the second wheels is located closer to the midpoint of the side rail to which it is attached than to the back end of the side rail.

7. The pushback rack storage system of claim 6 wherein each of the second wheels is located at a position 80% to 90% of a distance measured from the back end of the side rail to the midpoint of the side rail.

8. The pushback rack storage system of claim 1 wherein the first pair of side rails extend 30 to 45% of their length beyond the back ends of the support rails when the second wheels are rolled up against the back ends of the support rails.

9. A pushback rack storage system, comprising:

a pair of spaced apart pallet support rails;

a cart including a pair of spaced apart side rails adapted to support a pallet having a predetermined length, each side rail including a first wheel located adjacent to a first end of the side rail, and a second wheel located between a second end and a midpoint of the side rail;

wherein the second wheels are rollable along the support rails up to a back end of the support rails, such that the second ends of the side rails extend beyond

the back ends of the support rails by 35% to 45% of the predetermined pallet length when the second wheels are rolled up against the back ends of the support rails.

10. The pushback rack storage system of claim 9 wherein the support rails each have a length of 155 to 175% of the predetermined pallet length.

11. The pushback rack storage system of claim 10 wherein the side rails on the cart each have a length of 90 to 100% of the predetermined pallet length.

12. The pushback rack storage system of claim 9 wherein the side rails on the cart each have a length that is 55% to 60% of a length of each of the support rails.

13. The pushback rack storage system of claim 9 wherein the predetermined pallet length is 46 to 50 inches.

14. The pushback rack storage system of claim 9 wherein the first wheels are rollable along the support rails up to a back end of the support rails.

15. The pushback rack storage system of claim 9 wherein each of the second wheels is located closer to the midpoint of the side rail to which it is attached than to the second end of the side rail.

16. The pushback rack storage system of claim 15 wherein each of the second wheels is located at a position 80% to 90% of a distance measured from the second end of the side rail to the midpoint of the side rail.

17. A pushback rack storage system, comprising:

a pair of spaced apart support rails;

a cart including a pair of spaced apart side rails, each side rail including a first wheel located adjacent to a first end of the side rail, and a second wheel located between a second end and a midpoint of the side rail;

wherein the side rails of the cart each have a length that is 55% to 60% of a length of each of the support rails.

18. The pushback rack storage system of claim 17 wherein the second wheels are rollable along the support rails up to a second end of each of the support rails, such that the second ends of the side rails extend beyond the second ends of the support rails when the second wheels are rolled up against the second ends of the support rails.

19. The pushback rack storage system of claim 18 wherein each of the second wheels is located closer to the midpoint of the side rail to which it is attached than to the second end of the side rail, and the second ends of the side rails extend beyond the second ends of the support rails by more than 35% of a total length of the side rails when the second wheels are rolled up against the second ends of the support rails.